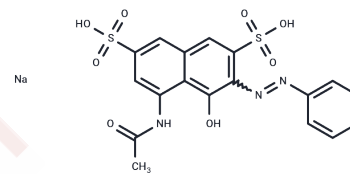


Azophloxine

Chemical Properties

CAS No. :	3734-67-6
Formula:	C ₁₈ H ₁₅ N ₃ NaO ₈ S ₂
Molecular Weight:	488.44
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Azophloxine, also known as Acid Red 1 (AR1), is a synthetic red azo dye.
Targets(IC50)	Others
In vitro	Azophloxine, a synthetic red azo dye, exhibits potent inhibitory activity (IC ₅₀ = 3.0 μM) against the enzyme acetylcholinesterase (AChE)[1], making it of significant interest in biochemical research and therapeutic applications.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0473 mL	10.2367 mL	20.4733 mL
5 mM	0.4095 mL	2.0473 mL	4.0947 mL
10 mM	0.2047 mL	1.0237 mL	2.0473 mL
50 mM	0.0409 mL	0.2047 mL	0.4095 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sharifi S, et al. Photophysical and Nonlinear Optical Properties of Azophloxine in Reverse Micelles. J Fluoresc. 2018; 28(6):1439-1450.

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